

# Status of Capacity Building Efforts for Operators responsible for Safeguards in ROK

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**Semey, Kazakhstan**



# Regulations on Nuclear Control Education in ROK

## ◆ Purpose

- To prescribe matters necessary in **conducting education programs on nuclear**, which are **conducted** in accordance with Article 106 of the **Nuclear Safety Act(NSA)**.

→ Nuclear control courses including PP, which relevant trainees are obliged to take according to the law, are performed every year

## ◆ Education Provider

- **KINAC**(Korea Institute of Nonproliferation and Control) **takes full charge of providing education programs** on nuclear control in accordance with Subparagraph 6 of Article 7 of the NSA.

→ ROK Government entrusts this mission to KINAC by law

## ◆ Persons Subject to Education

- "A person who is an employee of nuclear licensee that comes under any one of items specified as followings and performs duties associated with special nuclear material accountancy and control" as provided in Subpara. 1 of Article 150 of the Enforcement Decree of the NSA shall refer to **the head of and responsible personnel** at a **material accountancy and control division** specified in Regulations on Material Accountancy and Control of Special Nuclear Material of a nuclear licensee concerned. → Initial & Refresher Course is classified

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- ◆ **Total Hours, Contents & Methodology of Education Programs**
    - The **total hours** and **content** of education programs **shall be set** in accordance with **Article 123** of the Enforcement Regulation of the **NSA**.
    - **Theoretical education** delivered through lectures **shall be the main methodology** of the Control Education and the instructor may add discussion or practical sessions, at his/her discretion, when such sessions are presumed necessary.
    - The **Control Education** shall be the **collective education** and persons who participated in the education are presumed **to complete the education** only if such persons **score 60 or more out of 100** in an examination. For those who scored **below 60**, a **reexamination** may be conducted. However, such examination shall **not be conducted** for those who completed **refresher courses**.
- Initial Course : 8hr/yr, Refresher Course : 4hr/yr

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## ◆ Does your country have a safeguards training programme for operators?

- **Yes**, ROK has Nuclear Control Education **by law**(NSA)
- Aimed at **the head of and responsible personnel at a material accountancy and control division**
- **Initial** Course : 8hr/yr, **Refresher** Course : 4hr/yr

## ◆ Who is in charge of training operators?

- **The State Regulatory Authority**
- ROK Gov. entrust the all mission to **KINAC**.
- So, KINAC is in charge of training operators in ROK

## ◆ Does your country have a strategic planning on human resource development on NMA&C?

- There is **no strategic planning** on HRD on NMA&C, so far.

## ◆ How are operators trained?

- **Theoretical education** delivered through lectures shall be the main methodology of the Control Education
- The Control Education shall be the **collective education**(Classroom) in INSA
- **E-learning System** is also prepared. **But** that is **not mandatory**
- **170 persons were trained in 2014**

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## ◆ Do you have detailed instructions for operators implementing safeguards?

- **Yes**, Detailed instructions are specified in the law(NSA).
- **Before using nuclear material**, First, **Facilities** have to **apply NMAC rules** which define detailed obligation by law **to Gov.** and then **Facilities need to have approval** from Gov. At that time, **KINAC examine** it.
- Regarding NMAC Rules, **check** whether comply with obligation **through the national inspection every year**

## ◆ Do you train LOF operators? How do you train them?

- KINAC **conducted education for LOF operators. Not mandatory.**
- 2 times a year. Theoretical education & collective education in KINAC
- 4 subjects(Small quantities SGs, Small quantities Export Control, Duties of small quantities' operator and how to use national LOF web management system(on-line))



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## ◆ What bilateral/regional/international support do your operators receive?

- Regional/International SSAC training program by IAEA. 2~3 persons/yr.
- IAEA Inspectors' training education(CANDU & LWR Course and BHF Course). ROK supports this program by MSSP. 4 persons/yr.





**Thank you!**